

Title (en)

COMMUNICATION DEVICE AND COMMUNICATION METHOD

Title (de)

KOMMUNIKATIONSVORRICHTUNG UND KOMMUNIKATIONSVERFAHREN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE COMMUNICATION

Publication

EP 3911024 A4 20220615 (EN)

Application

EP 19908534 A 20191119

Priority

- JP 2019001052 A 20190108
- JP 2019045192 W 20191119

Abstract (en)

[origin: EP3911024A1] A communication device shortening a scanning time of a communication terminal is provided. A communication device functioning as an access point includes: a first signal processing unit generating a first signal of which a subordinate communication terminal is notified; a second signal processing unit generating a second signal which includes information regarding the first signal and of which a communication terminal before connection is notified; and a communication unit simultaneously transmitting the first and second signals. The second signal includes information regarding a channel to be used to transmit the first signal and further includes at least one piece of information among a transmission length of the second signal, a transmission length of the first signal, and the number of times the second signal is repeated.

IPC 8 full level

H04W 48/16 (2009.01); **H04L 27/26** (2006.01); **H04L 5/00** (2006.01); **H04W 16/14** (2009.01); **H04W 48/12** (2009.01); **H04W 84/12** (2009.01)

CPC (source: EP US)

H04L 5/0007 (2013.01 - US); **H04L 5/0012** (2013.01 - EP); **H04L 5/005** (2013.01 - EP); **H04L 5/0092** (2013.01 - EP); **H04L 27/2602** (2013.01 - EP); **H04W 8/005** (2013.01 - US); **H04W 48/16** (2013.01 - EP US); **H04W 16/14** (2013.01 - EP); **H04W 48/12** (2013.01 - EP); **H04W 84/12** (2013.01 - EP US)

Citation (search report)

- [A] US 2017208546 A1 20170720 - PARK GIWON [KR], et al
- [XY] WO 2011106538 A1 20110901 - INTERDIGITAL PATENT HOLDINGS [US], et al
- [Y] "IEEE Standard for Information technology--Telecommunications and information exchange between systems Local and metropolitan area networks--Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications;IEEE Std 802.11-2016 (Revision of IEEE Std 802", IEEE STANDARD, IEEE, PISCATAWAY, NJ, USA, 14 December 2016 (2016-12-14), pages 1 - 3534, XP068113034
- [Y] ALFRED ASTERJADHI (QUALCOMM INC): "Discovery Channels for 6 GHz band", vol. 802.11ax, 11 September 2018 (2018-09-11), pages 1 - 11, XP068128963, Retrieved from the Internet <URL:https://mentor.ieee.org/802.11/dcn/18/11-18-1624-00-00ax-discovery-channels-for-6-ghz-band.pptx> [retrieved on 20180911]
- See also references of WO 2020144940A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3911024 A1 20211117; **EP 3911024 A4 20220615**; BR 112021013087 A2 20210921; CN 113228745 A 20210806; US 11997747 B2 20240528; US 2022030412 A1 20220127; WO 2020144940 A1 20200716

DOCDB simple family (application)

EP 19908534 A 20191119; BR 112021013087 A 20191119; CN 201980087501 A 20191119; JP 2019045192 W 20191119; US 201917296554 A 20191119